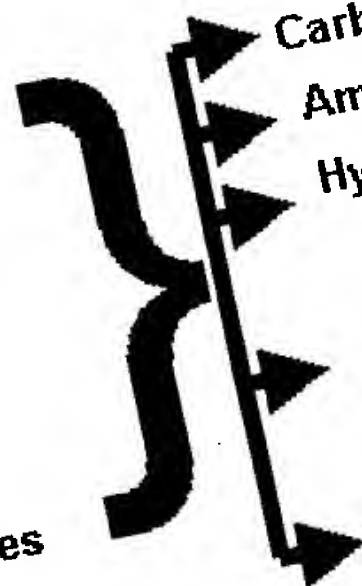


Fig. 1

# DENDRITIC REACTION PROCESS

Raw material  
+  
Water  
+  
Catalyst  
for  
3-10 minutes  
@  
430-470.degree.C



Carbon Dioxide

Amines + Ammonia

Hydrocarbons

Glycerol + water

+ water soluble salts

Solid compost

gas or solid entrapment

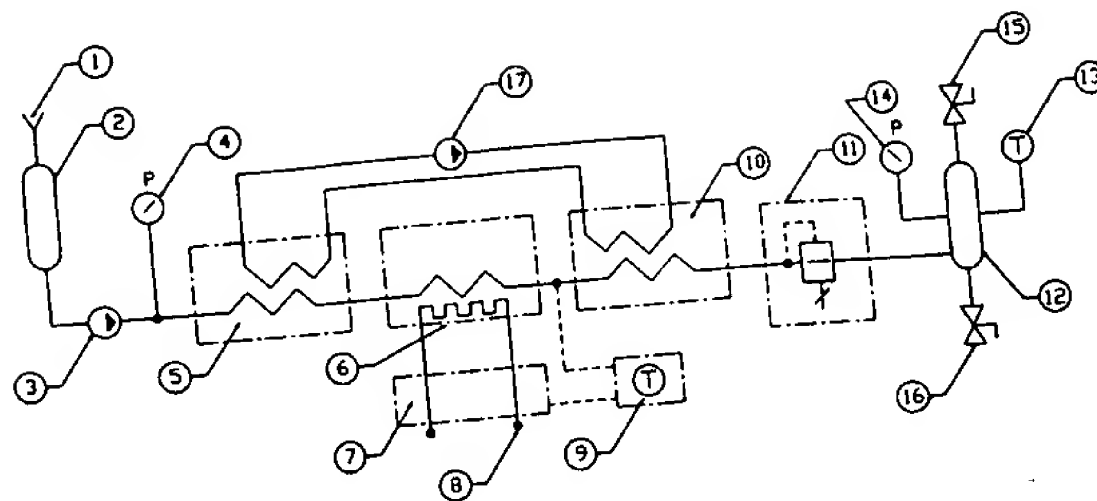
gas, liquid or solid entrapment

fractional distillation

phase separation

filtration

Fig. 2



- |    |                              |     |                          |
|----|------------------------------|-----|--------------------------|
| 1- | Feeding Hopper               | 10- | Secondary heat exchanger |
| 2- | Holding Reservoir            | 11- | Back Pressure Regulator  |
| 3- | High Pressure Pump           | 12- | Gas/Liquid Separator     |
| 4- | Pressure Gauge               | 13- | Temperature Meter        |
| 5- | Primary Heat Exchanger       | 14- | Pressure Gauge           |
| 6- | Heating Coil                 | 15- | Gas Collection Valve     |
| 7- | Power Control                | 16- | Liquid Collection        |
| 8- | Power Supply                 | 17- | Heat Transfer Media Pump |
| 9- | Temperature Meter/Controller |     |                          |